



FPD Metrology Korea TC Chapter Meeting Summary and Minutes

October 6, 2022, 15:00 – 17:00 (KST)

TC Chapter Announcements

Next TC Chapter Meeting

December 8, 2022, 15:00 – 17:00 (KST)

OVTCCM (hybrid)

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Jongho Chong (Kwangwoon University), Kyungjin Kang (LG Electronics)

SEMI Staff: Natalie Shim (SEMI Korea)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Samsung Display	Kim	Su Young	<i>LG Electronics (LGE)</i>	<i>Kang</i>	<i>Kyungjin</i>
Samsung Display	Lee	Seungmin	<i>LG Electronics (LGE)</i>	<i>Lee</i>	<i>Myongyoung</i>
Samsung Display	Seo	Yong Woo	<i>LG Display (LGD)</i>	<i>Kim</i>	<i>Jaehong</i>

Table 2 Leadership Changes

None

Table 3 Committee Structure Changes

None

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6913A	Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays	
LI-1	Update colour volume calculation method	Failed and rework
6659B	Revision to SEMI D75-0118, Test Method for Color Reproduction and Perceptual Contrast of Displays	Failed and rework

#1 **Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

#2 **Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting or abandoning.

Table 5 Activities Approved by the GCS between meetings of the TC Chapter

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
6975	SNARF	Picture Quality Evaluation TF	New Standard, Test Method for Response Time Evaluation of Displays with Variable Refresh Rate



Table 5 Activities Approved by the GCS between meetings of the TC Chapter

6976	SNARF	Picture Quality Evaluation TF	Revision to D71-0614 with Title change To: Test Method of PDP Tone and Color Reproduction for Plat Panel Displays
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Table 6 Authorized Activities

None

Table 7 Authorized Ballots

#	When	TF	Details
6659C	Cycle 8-22	Perceptual Image Quality TF	Revision to SEMI D75-0118, Test Method of Perceptual Angle for OLED Displays
6913B	Cycle 8-22	Perceptual Image Quality TF	Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays
6975	Cycle 8-22	Picture Quality Evaluation TF	New Standard, Test Method for Response Time Evaluation of Displays with Variable Refresh Rate
6976	Cycle 8-22	Picture Quality Evaluation TF	Revision to D71-0614 with Title change To: Test Method of PDP Tone and Color Reproduction for Plat Panel Displays

Table 8 SNARF(s) Granted a One-Year Extension

None

Table 9 SNARF(s) Abolished

None

Table 10 Standard(s) to receive Inactive Status

None

Table 11 New Action Items

None

Table 12 Previous Meeting Action Items

None

1 Welcome, Reminders, and Introductions

Kyungjin Kang (LG Electronics) called the meeting to order at 15:00 (KST). The meeting reminders on antitrust issues, intellectual property issues, and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, Meeting Agenda.pdf,
02, Meeting Reminders.pdf

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion:	Approve the previous meeting minutes with editorial changes.
By / 2nd:	Suyoung Kim (Samsung Display) / Jae Hong Kim (LGD)
Discussion:	None
Vote:	4-0, Motion carried

Attachment: 03, KR FPDM_minutes_June30_2022.pdf

3 Liaison Reports

3.1 FPD Metrology Japan TC Chapter

Natalie Shim (SEMI Korea) reported for the FPD Metrology Japan TC Chapter. Of note:

3.1.1 Meeting Information

- Last Meeting: June 10, 2022 at Japan office and OVTCCM (hybrid)
- Next Meeting: Date to be decided

3.1.2 Leadership Changes

3.1.2.1 Previous Leader

- Ryoichi Watanabe / Japan Display
- Akira Kawaguchi / Otsuka Electronics

3.1.2.2 New Leader

- Ryoichi Watanabe / Japan Display
- Akira Kawaguchi / Otsuka Electronics
- Satoshi Tomioka / Sony Group

Attachment: 04, 202206_JA_FPD_Met_LiaisonReport.pdf

3.2 FPD Metrology Taiwan TC Chapter

Natalie Shim reported for the FPD Metrology Taiwan TC Chapter. Of note:

3.2.1 Meeting Information

- Last Meeting: February 25, 2022, OVTCCM
- Next Meeting: August 5, 2022, OVTCCM

3.2.2 Ballot Adjudication

3.2.2.1 Doc. 6864, Line Item Revision of SEMI D57-0310, Definition of Measurement Index (VCT) for MURA in FPD Image Quality Inspection - **Failed**

3.2.3 Authorized Ballots for Cycle 3 or 4, 2022

3.2.3.1 6632A, New Standard, Test Method of Flicker Nuisance for Wide Visual-Field Displays.

3.2.4 Task Force Highlight

3.2.4.1 Flexible Displays Task Force

3.2.4.1.1 6632 (New Standard, Test Method of Flicker Nuisance for Wide Visual-Field Displays.)

- Discussed the New draft in TF meeting on 2021/8/6, 10/1, then approved on 12/3
- Scheduled submission for the next coming TC meeting on 2022/2/25
- TC authorized the ballot for cycle 3 or 4, 2022

3.2.4.2 Transparent Display Task Force

3.2.4.2.1 6201 (New Standard, Guide for Tone Reproduction Curves for Transparent Displays)

- New draft discussion in TF meeting on 2022/02/25
- Scheduled submission for the next coming TC meeting TBD, 2022

3.2.4.2.2 6737 (New Standard, Test Method of Binocular Image Fusion for Augmented Reality Transparent Displays)

- Content discussion for draft in TF meeting on 2021/8/6, 10/1, 12/3
- Scheduled to have 1st Draft in 2022

3.2.4.3 Maintenance Task Force

3.2.4.3.1 6864: SEMI D57 0310 Definition of Measurement Index (VCT) for Mura in FPD Image Quality Inspection failed TC Chapter adjudication.

3.2.4.3.2 TF will submit the New SNARF to Revision to SEMI D57 (Definition of Measurement Index (VCT) for MURA in FPD Image Quality Inspection) to correct the title(Sub type) of existing standards and referenced standards and documents

Attachment: 05, FPD-M Taiwan Liaison report_2022_June.pdf

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. Details are in the attached report.

3.3.1 SEMI Global Calendar of Events

3.3.2 Critical Dates for SEMI Standards Ballots in 2022

3.3.3 SEMI Standards Publications

Attachment: 06, Staff Report Oct_2022.pdf

4 Ballot Review

NOTE 1: TC Chapter adjudication on ballots reviewed is detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. The A&R forms are available as attachments to these minutes. The attachment number for each balloted document is provided under each ballot review section below.

4.1 Document 6659B (Revision to SEMI D75-0118, Test Method of Perceptual Angle for OLED Displays)

4.1.1 Document 6659B didn't meet the acceptance condition and was failed.

- Voting Interest Accepts: 21 (91.30%)



- Voting Interest Rejects: 2
- Voting Comment: 1
- Voting Interests Returns: 22
- Voting Interests Return percentage: 59.46%
- Voting Interest Distribution: 37

4.2 Document 6913A (Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays)

4.2.1 Line Item 1, Update Color Volume Calculation Method didn't meet the acceptance condition and was failed.

- Voting Interest Accepts: 17 (89.47%)
- Voting Interest Rejects: 2
- Voting Comments: 0
- Voting Interest Returns: 22
- Return percentage: 59.46%
- Voting Interest Distribution: 37

Attachment: 07, Ballots report_cycle 6 2022

5 Subcommittee and Task Force Reports

5.1 *Perceptual Image Quality Task Force*

5.1.1 Reviewed cycle 6 ballot comments. No written report was submitted.

5.2 *Picture Quality Evaluation task force*

No Update

5.3 *Perceptual Viewing Angle task force*

No Update

6 Old Business

None

7 New Business

None

8 Next Meeting and Adjournment

The next meeting is scheduled for Thursday December 8, 2022 at SEMI Korea office in Seoul. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 17:00.

Respectfully submitted by:



Natalie Shim
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 SEMI Korea
 Phone: 82.2.531.7808
 Email: eshim@semi.org

Minutes tentatively approved by:

Jongho Chong (Gwangwoon University), Co-chair	
Kyungjin Kang (LGE), Co-chair	

Table 13 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
01, Meeting Agenda_Oct 6_2022.pdf	05, FPD-M Taiwan Liaison report_2022_June.pdf
02, Meeting reminder.pdf	06, Staff Report Oct_2022.pdf
03, KR FPDM_minutes_June 30_2022.pdf	07, Ballots report_cycle 6 2022
04, FPDM Japan Liaison report_2022June.pdf	

#1 Due to file size and delivery issues, attachments must be downloaded separately. A .zip file containing all attachments for these minutes is available at www.semi.org. For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.